



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

**MAY 25 2000**

400 Seventh Street, S.W.  
Washington, D.C. 20590

DOT-E 9579  
(FIFTH REVISION)

EXPIRATION DATE: APRIL 30, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Dyno Nobel, Inc.  
Salt Lake City, UT  
  
(See Appendix A to this document for a list of additional grantees)
2. PURPOSE AND LIMITATION: This exemption authorizes the transportation in commerce of certain oxidizers in non-DOT specification motor vehicles for bulk shipments. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101, special provision B5 and § 173.243.
5. BASIS: This exemption is based on the application of Dyno Nobel, Inc. dated May 15, 2000, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Ammonium nitrate, liquid	5.1	UN2426	n/a

7. PACKAGING AND SAFETY CONTROL MEASURES:

- a. PACKAGING - Packagings prescribed are non-DOT specification motor vehicles as shown on Dyno Nobel's (formerly Ireco, Inc.) drawing entitled "SLURRY MIXING TRUCK" included in the application dated August 29, 1990. The tanks are supported by a structural aluminum I-beam bed which rests on the vehicle chassis frame rails. The tanks may range in size from 8,000 to 25,000 pounds. The two types of authorized tanks are constructed as follows:

(1) Tanks as shown on "SLURRY MIXING TRUCK": The tank shell is constructed in three layers as follows: an inner layer of 10 gauge type 304 stainless steel; a middle layer of 2 inches of urethane foam insulation; and an outer layer of 3/16 inch ASTM B-209 Alloy 5086 aluminum plate. The tank has vertical formed stainless steel stiffeners on the inside of the inner stainless steel wall and two stainless steel baffles. Within the ammonium nitrate solution tank is an 80 gallon water tank.

(2) Tanks as shown in drawing number 300099 Rev A: The tank shell is constructed in three layers as follows: an inner layer of 10 gauge type 304 stainless steel; a middle layer of 3 inches of urethane foam insulation; and an outer layer of 12 gauge type 304 stainless steel. The tank has vertical 2 inch stainless steel angle stiffeners placed edge to edge on both sides of the inner stainless steel wall. The ammonium nitrate solution tank has no inner stainless steel baffles. An 80 gallon water tank is placed outside of the ammonium nitrate solution tank.

8. SPECIAL PROVISIONS:

- a. Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.
- b. The maximum allowable temperature of the ammonium nitrate liquid is 190° F.

c. Drivers must have been instructed as to necessary safeguards and procedures in the event of unusual delay, fire, or accident.

d. The bulk ammonium nitrate liquid may not be allowed to remain in the tank for any period of time that could result in caking. Each tank must be internally inspected at least once a week to prevent any accumulation of product.

e. Each motor vehicle must be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT-E 9579".

f. Motor carriers operating under the terms of this exemption must have a "Satisfactory" or "Conditional" safety rating as prescribed in 49 CFR Part 385.

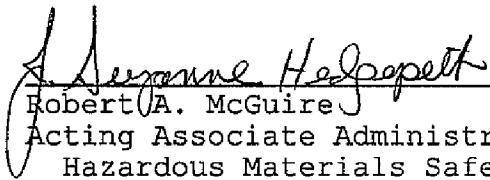
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
  - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Registration required by § 107.601 et seq., when applicable.

Each "hazmat employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:

  
Robert A. McGuire  
Acting Associate Administrator for  
Hazardous Materials Safety

MAY 25 2000

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

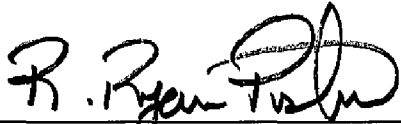
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## APPENDIX A

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Dyno Nobel Intermountain, Inc. Gillette, WY	9/25/98	12/10/98	8/31/2000
Dyno Nobel Florida, Inc. Miramar, FL	10/1/98	12/10/98	8/31/2000
Pepin-Ireco Ishpeming, MI	5/12/2000	JUN 9 2000	4/31/2002



Robert A. McGuire

For Acting Associate Administrator for  
Hazardous Materials Safety